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सं. 46] नई विल्ली, शनिवार, नवम्बर 13, 1976 (कार्तिक 22, 1898)
No. 46] NEW DELHI, SATURDAY, NOVEMBER 13, 1976 (KARTIKA 22, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा आरो की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 13th November 1976

CORRIGENDUM

In the Gazette of India, Part-III Section-2, dated the 16th August 1975 in page 566, Column 2, under the heading "cessation of Patents".

Delete the figure 97558.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

7th October 1976

1838/Cal/76. Produits Chimiques Du Bearn. Process for preparing alpha-amino-gamma-methyl-mercaptopbutyronitrile.

1839/Cal/76. BOC Limited. Method of arc welding underwater. (October 10, 1975).

1840/Cal/76. The Lubrizol Corporation. Two-cycle engine oils containing amino phenols.

1841/Cal/76. The Lubrizol Corporation. Amino phenols useful as additives for fuels and lubricants.

1842/Cal/76. Societe De Prayon. Improvement in or relating to cell filters.

1843/Cal/76. Stanadyne, Inc. Fuel injection pump and timing control therefor.

8th October 1976

1844/Cal/76. Vereinigte Österreichische Eisen- Und Stahlwerke—Alpine Montan Aktiengesellschaft. Bit holder.

1845/Cal/76. Ethicon Inc. Package for armed sutures.

1846/Cal/76. Johnson & Johnson. An improved non-irritating detergent composition.

1847/Cal/76. Maruti Technical Services Pvt. Ltd. A product.

1848/Cal/76. The Chief Controller Research & Development, Ministry of Defence, Government of India New Delhi. Design of sponge iron making furnace.

1849/Cal/76. Maschinenfabrik Rieter A.G. Method and apparatus for sensing of pressure differences in the fibre layer. (October 17, 1975).

1850/Cal/76. Maschinenfabrik Rieter A.G. A method of restarting the spinning process on open-end spinning devices and apparatus for implementing the method. (October 30, 1975).

1851/Cal/76. Stauffer Chemical Company. Ethylene/chlorine elimination process.

1852/Cal/76. International Business Machines Corporation. Serial printer (April 7, 1976).

1853/Cal/76. Shell Internationale Research Maatschappij B. V. Process for the separation of dry particulate matter from a hot gas.

1854/Cal/76. Ashland Oil, Inc. Bag filter apparatus.

11th October 1976

1855/Cal/76. Vereinigte Österreichische Eisen- Und Stahlwerke—Alpine Montan Aktiengesellschaft. Device for guying a movable cutting machine.

- 1856/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to transistor power amplifiers. (July 3, 1976).
- 1857/Cal/76. Solo Industries Pty. Limited. Transistor ignition circuit. (October 23, 1975).
- 1858/Cal/76. Foseco Trading A.G. Blocks of refractory concrete. (October 10, 1975).
- 1859/Cal/76. Association Des Ouvriers EN Instruments De Precision. Process for limiting the speed of evaporation of liquid electrolytes, and its application to liquid resistance rheostats.
- 1860/Cal/76. Technion Research and Development Foundation Limited. A method of laying subsoil membranes.
- 1861/Cal/76. Robert Bosch GmbH. A method for producing a filter casing.
- 1862/Cal/76. Kemanord AB. Mixtures having antimicrobial or pesticidal effect.
- 1863/Cal/76. Western Electric Company, Incorporated. Improvements in or relating to photovoltaic devices. (November 5, 1975).
- 1864/Cal/76. Stanadyne, Inc. Fuel injection pump.
- 1865/Cal/76. Snamprogetti S.p.A. Multiple-expansion, flexible-type desalination method.

12th October, 1976

- 1866/Cal/76. Johnson & Johnson. Conditioning non-irritating shampoo compositions.
- 1867/Cal/76. Metallgesellschaft A.G. Process of producing sulfur.
- 1868/Cal/76. R. K. Rai. A packing case and more particularly to a packing case made of wood.
- 1869/Cal/76. Thomson-Brandt. Attitude-controlling system and a missile equipped with such a system. (July 26, 1976).

13th October, 1976

- 1870/Cal/76. Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda. Liquid atomizing injector.
- 1871/Cal/76. M. Katz. Device for checking and measuring twist drills.
- 1872/Cal/76. Bata India Limited. A discharge and cutting apparatus for footwear sewing machines. (October 14, 1975).
- 1873/Cal/76. Edenvale Engineering Works (Proprietary) Limited. Mining method.
- 1874/Cal/76. Poclain Hydraulics. Fluid regulator valves intended for the control of large flows and high pressures.
- 1875/Cal/76. G. N. Valkanas, D. G. Economidis and E. G. Koukios. Production of pulp.
- 1876/Cal/76. Inco Europe Limited (Formerly known as International Nickel Limited). Heating of fluids. (October 23, 1975).

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

28th September, 1976

- 333/Bom/76. Shree Electricals. New ignition tester for internal combustion engines.

29th September, 1976

- 334/Bom/76. P. R. Mallory & Co. Inc. Improved cell. (September 3, 1976).
- 335/Bom/76. P. R. Katvi. A trap for cockroaches or like insects.

- 336/Bom/76. P. R. Katvi. An improved mouse-trap.

30th September, 1976

- 337/Bom/76. B. M. Bhanot. A crimping tool for jointing electrical conductors and cables.

- 338/Bom/76. Cadbury-Fry (India) Private Limited. Modified vegetable fat.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

6th October, 1976

- 192/Mas/76. International Instruments Private Limited. An air pressure gauge.

7th October, 1976

- 193/Mas/76. B. M. Kannappa (2) B. K. Somasekaran (3) B. K. Eganathan and Mrs. Perumal Saroja. Wire tying machine.

- 194/Mas/76. V. M. Rao. Process for the electrostatic precipitation of entrained particles and droplets from gas streams. [Divisional date February 27, 1974].

8th October, 1976

- 195/Mas/76. Mr. B. Nadhan. A new design of footswitch.

- 196/Mas/76. P. M. Paul Devarul. Bicycle shock absorber (bumper type).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months five notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in the due course. The price of each specification is Rs. 2/- (Postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 148D. I.C.-B41b 15/00.

140435

COLOR PHOTOGRAPHIC LIGHT-SENSITIVE MATERIALS.

Applicant : FUJI PHOTO FILM CO., LTD., OF NO. 210 NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN.

Inventors : TADAO SAKAI, NOBUO YAMAMOTO AND MASAKAZU YONEYAMA.

Application No. 563/Cal/74 filed March 15, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A color photographic light-sensitive material comprising a support such as herein described having coated thereon at least one light-sensitive silver halide emulsion layer containing a yellow dye-forming coupler, at least one light-sensitive silver halide emulsion layer containing a magenta dye-forming coupler, at least one light-sensitive silver halide emulsion layer containing a cyan dye-forming coupler and at least one silver

halide emulsion layer containing a silver bleach inhibitor, said silver bleach inhibitor being a nitrogen-containing heterocyclic compound in which at least one nitrogen atom is connected to a group having not less than 11 carbon atoms to form a quaternary salt.

CLASS 190B. I.C.-F16h 41/60. 140436

IMPROVEMENTS IN OR RELATING TO MECHANICAL POWER GENERATING SYSTEM.

Applicant & Inventor: RAM LAKHAN PAL, B-64, SHANTI NAGAR, ROORKEE, DISTRICT SAHARANPUR (U.P.), INDIA.

Application No. 856/Cal/74 filed April 16, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A mechanical power generating system comprising an engine or turbine, a liquid pump and a selected gas (or a mixture of two or more gases) having the characteristic of a low boiling point and low latent heat which is made to circulate within a sealed enclosure a condenser and a cooling coil, characterised in that external heating and cooling sources are employed which maintain the required temperature difference facilitating the utilization of low temperature heat for the boiling/evaporating of the said selected gas (working media) and further characterised in that as the said gas (working media) travels through the heating source it boils or evaporates and during its circulation through the cooling source gets liquified from where it is pumped into the evaporator which is in contact with the heating source and thus creating a pressure difference (working pressure) corresponding to the temperature difference maintained by the said external heating and cooling sources, the said working pressure being utilized for running the turbine or engine for conversion into useful power.

CLASS 32F_{2a} & 60X_{2a}. I.C.-C07c 91/30. 140437

A PROCESS FOR THE PRODUCTION OF METOL (N-METHYL P-AMINOPHENOL SULPHATE) FROM p-NITROPHENOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-1, INDIA.

Inventors: RAMESH CHANDRA RASTOGI AND JOGENDRA NATH BARUAH.

Application No. 2463/Cal/74 filed November 8, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A process for the production of N-methyl p-aminophenol sulphate by the catalytic reduction by hydrogen gas of an alcoholic solution of a phenolic compound and subsequent reduction *in situ* of the Schiff's Base formed by adding formaldehyde in presence of hydrogen gas followed by filtration of catalyst and neutralization of the filtrate with dilute sulphuric acid to get crude N-methyl p-aminophenol sulphate which is dissolved in hot water and chilled to yield crystalline N-methyl p-aminophenol sulphate characterised in that p-nitrophenol is used as the phenolic compound and palladised charcoal is used as catalyst.

CLASS 17E & 83A. I.C.-C12C 11/18, A23J 1/18. 140438

PROCESS OF PREPARING YEAST PROTEIN ISOLATE HAVING A REDUCED NUCLEIC ACID CONTENT BY A THERMAL PROCESS.

Applicant: ANHEUSER-BUSCH, INCORPORATED, 721, PESTALOZZI STREET, ST. LOUIS, MISSOURI, UNITED STATES OF AMERICA.

Inventor: ERNEST ALECK ROBBINS.

Application No. 2836/Cal/76 filed December 23, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for producing a yeast protein product as herein defined of low nucleic acid content comprising the steps of

- A. rupturing the yeast cells, by known method,
- B. heating above 100°C to separate the nucleic acid from the protein,
- C. separating an insoluble protein product fraction of reduced nucleic acid content from a nucleic acid containing solubles fraction.

CLASS 32F₁+F_{2b} & 60X_{2d}. I.C.-C07d 51/08. 140439

PROCESS OF MANUFACTURE OF CINNOLIN-3-YL-CARBOXYLIC ACIDS.

Applicant: IMPERIAL CHEMICAL INDUSTRIAL LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILIBANK, LONDON, SW1P 3JF ENGLAND.

Inventors: JOHN PRESTON AND MICHAEL JOHN COOPER.

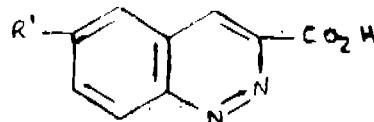
Application No. 14476/Cal/75 filed July 28, 1975.

Convention date August 19, 1974/(36360/74) U.K.

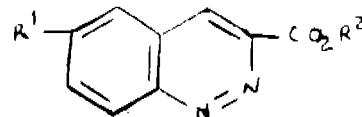
Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the manufacture of a compound of the formula I.



wherein R¹ stands for a C₁₋₆-alkyl, C₂₋₆-cycloalkyl phenyl, nitrophenyl or dinitrophenyl radical, or a halogen atom, or a pharmaceutically-acceptable salt thereof, which comprises hydrolysing by means of an alkaline or acidic hydrolytic agent a compound of the formula II.



wherein R¹ has the meaning stated above and R² stands for a C₁₋₆-alkyl radical and, if desired, converting the compound of formula I, by a known salt-forming method into a pharmaceutically-acceptable salt thereof.

CLASS 128F+G. I.C.-A61b 5/14 140440

A BLOOD SAMPLING DEVICE.

Applicant: IMS LIMITED, OF 1886 SANTA ANITA AVENUE, S. E1 MONTE, CALIFORNIA 91733, UNITED STATES OF AMERICA.

Inventor: ROBERT WALTER OGIE.

Application No. 1666/Cal/74 filed July 25, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A novel and improved arterial blood sampling device comprising :

an outer barrel having an open end and a closed end, a thrust portion disposed within said barrel and having a free end in proximity to the open end of said barrel,

a vial having an open end and a closed end, an imperforate stopper received in said vial means associated with said free end of the thrust portion and said stopper attaching said parts together, a fluid path within said thrust portion and terminating

in a sharpened end near the free end of the thrust portion and being adapted to pierce said stopper,

a chamber having side walls extending from the closed end of said barrel and in fluid communication with said fluid path, said side walls containing one or more openings therein, a resilient ring surrounding the outside of said chamber and normally sealing on the outside of said openings, and a cannula extending from the free end of said chamber and being in fluid communication with the interior thereof said cannula having a sharpened scarf at its free end for insertion in an artery, said resilient ring bulging outwardly of the outside of said chamber in proximity to said openings under the influence of arterial blood pressure but not under the influence of venous blood pressure.

CLASS 15B & 116C. I.C.-B65G 39/09.

140441

IMPROVEMENTS IN OR RELATING TO CONVEYER BEARINGS.

Applicant & Inventor: VINESH MOHAN GOYAL, 3, BHAGAT NIWAS, BHAGAT MARG, 'C' SCHEME, JALPUR, RAJASTHAN, INDIA.

Application No. 2197/Cal/75 filed November 17, 1975.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved low cost conveyor bearing which comprises two symmetrically formed cup-shaped parts having an outer peripheral flange and a central opening the said bearing has a cylindrically shaped inner race with a central groove in the middle for fixing in the central opening between the said two cup-shaped parts wherein steel balls of the required size are placed in the groove of the said inner race and characterised in that in order to form the required bearing assembly the said two cup-shaped parts are placed upon each other face to face from the opposite sides after inserting the inner race therin alongwith the steel balls resting between the said two cup-shaped parts in its groove and then joining them by means of welding or rivetting as desired such that the inner surfaces of the cup-shaped parts form the outer race or the housing for the balls to make the complete assembly.

CLASS 32A₁, 62C₁ & 154H. I.C.-C09b 62/08, C09b 31/06
C09b 31/14, D06P 1/10. 140442

PROCESS FOR THE MANUFACTURE OF REACTIVE BISAZODYESTUFFS.

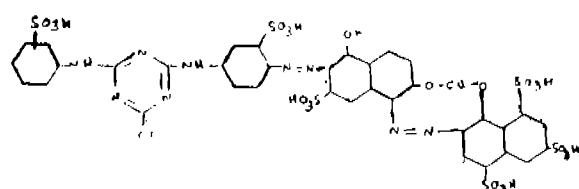
Applicant: CIBA-GEIGY AG, OF KLYBECKSTRASSE 141, BASLE SWITZERLAND.

Inventors: HENRI RIAT AND FRITZ OESTERLEIN.
Application No. 405/Cal/73 filed February 23, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

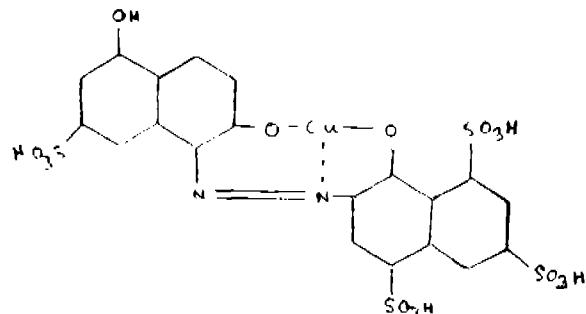
4 Claims

A process for the manufacture of reactive dyestuff of the general formula (1C).



in which the sulphonic acid group in the left hand phenyl radical is in meta position to the bridging imino group (-NH-), which process comprises diazotising in a known manner a condensation product obtained by condensation of cyanuric chloride, metanilic acid and p-Phenylenediamine-sulphonic

acid, and thereafter coupling the said diazo compound with a monoazo compound of the formula (3).



CLASS 35E. I.C.-C04b 35/62.

140443

FUSED-CAST REFRACTORY ARTICLE.

Applicant: THE CARBORUNDUM COMPANY, AT 1625 BUFFALO AVENUE NIAGARA FALLS, NIAGARA COUNTY, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor: RICHARD GARY LABAR.

Application No. 1259/Cal/73 filed May 29, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A fused-cast refractory article made by fusing a refractory composition comprising about 98 to about 99 weight percent alumina, about 0.25 to about 1 weight percent boric oxide and about 0.25 to about 1 weight percent silica and casting the fused composition.

CLASS 40B & 56A+B. I.C.-C10G 35/04. 140444

PROCESS FOR REFORMING HYDROCARBONS AND REACTOR THEREFOR.

Applicant: FOSTER WHEELER (INDIA) LIMITED, OF P.O. BOX 62, FOSTER WHEELER HOUSE, CHAPEL STREET, LONDON NW1 5DS, ENGLAND.

Inventors: JOSEPH FRANCIS MCMAHON AND PETER STEINER.

Application No. 1521/Cal/73 filed June 29, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for reforming hydrocarbons with steam in which the hydrocarbons and steam are contacted with a nickel-containing catalyst in the form of a cold worked elongated member in direct heat exchange relationship with a source of heat, so that the hydrocarbons and steam react to produce a hydrogen-rich synthesis gas.

CLASS 40H. I.C.-B01d 15/04. 140445

A PROCESS FOR PURIFYING GASES CONTAINING LAST TRACES OF ALKALINE MATERIAL SUCH AS ALKALIES AND AMMONIA.

Applicant: FERTILIZER CORPORATION OF INDIA LIMITED, PLANNING AND DEVELOPMENT DIVISION P.O. SINDRI, DIST-DHANBAD, BIHAR, INDIA.

Inventors: ACHHRU RAM AGGARWAL AND BIMAL KUMAR DUTTA.

Application No. 1783/Cal/73 filed August 2, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings

A process for purifying gases containing last traces of alkaline material such as alkalis and ammonia using cation exchange resin in hydrogen form characterised in that the gases containing said traces of alkaline material such as alkalis and ammonia are passed through a bed of cation exchange resin in hydrogen form at flow rate of from 5 to 100 Nm³/hr per cubic meter to cation resin and linear superficial velocity upto 1000m/hr.

CLASS 32F.a. I.C.-C07C 101/70.

140446

PROCESS FOR THE PREPARATION OF NOVEL-NAPHTHALIMIDE-4, 5-DICARBOXYLIC ACIDS AND THEIR ANHYDRIDES.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

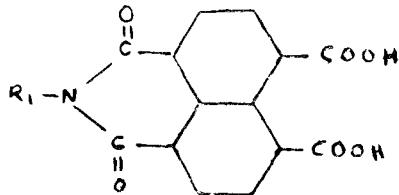
Inventors: OTTO FUCHS AND ADOLF KROH.

Application No. 2124/Cal/73 filed September 17, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for preparing naphthalimide-4, 5-dicarboxylic acids of the general formula I.



or the anhydrides thereof, wherein R₁ is hydrogen, hydroxy, amino, alkyl having 1 to 8 carbon atoms, hydroxyalkyl, alkoxy-alkyl, aminoalkyl, monoalkylaminoalkyl, hydroxy-alcoxyalkyl, alkoxyalkoxyalkyl, carbalkoxy-alkyl, carboxyalkyl or phenyl-alkyl having each 1 to 6, preferably 1 to 4 carbon atoms in the alkyl or alkoxy portion or phenyl substituted by 1 to 3 substituents of the group of halogen, amino, alkyl, alkoxy, acylamino acyl and having 1 to 4 carbon atoms, benzoyl, carbalkoxy or carboxyl and their anhydrides which comprises reacting naphthalene-1, 4, 5, 8-tetracarboxylic acid, the mono- or dianhydrides thereof as alkali salts in an aqueous solution with amines of the formula



wherein R₁ has the meaning given in claim 1, at a pH-value of 5.2 to 7.5 preferably of 5.4 to 6.4, at temperatures of from 80 to 160°C and, thereafter, if desired forming anhydrides by heating the obtained naphthalimide-4, 5-dicarboxylic acids in a high boiling solvent such as trichloro benzene or α-chloronaphthalene upto 250°C.

CLASS 27G. I.C.-E04b 1/00.

140447

A METHOD OF FORMING A JOINT BETWEEN TWO STRUCTURAL MEMBERS A COMBINATION OF TWO STRUCTURAL MEMBERS OBTAINED THEREBY AND A FRAMEWORK FORMED OF THE COMBINATION.

Applicant: STEEL EQUIPMENT COMPANY LIMITED, OF GREETS GREEN, WEST BROMWICH, STAFFORDSHIRE ENGLAND.

Inventor: GORDON STEWART GREENFIELD.

Application No. 2488/Cal/73 filed November 13, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A combination of two structural members and a sheet metal member having two end portions which lie in a common plane and are connected to one structural member, and a central portion which connects the end portions and extends to one side of said common plane away from said one structural member so as to define an aperture with said common plane, and the other of the two structural members being connected to the sheet metal member by the pin-like member which is engaged with the said other of the two members and inserted through said aperture between the central portion and the said common plane so as to extend the width of said central portion.

CLASS 32F.b. I.C.-C07d 5/00.

140448

PROCESS FOR THE PREPARATION OF NEW BENZOFURAN DERIVATIVES.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

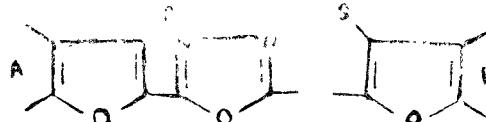
Inventors: WILFRIED SAHM, ERICH SCHINZEL AND GUNTER ROSCH.

Application No. 290/Cal/74 filed February 12, 1974.

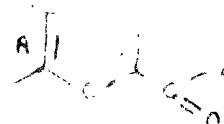
Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

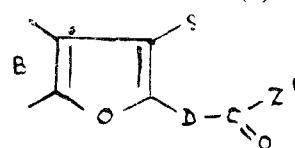
A process for the preparation of a compound of the general formula (1).



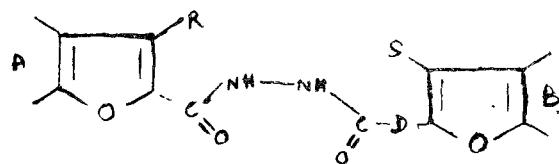
in which A and B are aromatic mono- or polynuclear ring systems which are fused with the furan rings with two adjacent carbon atoms as indicated; R and S are hydrogen or halogen atoms, alkyl groups of 1 to 4 carbon atoms, phenyl groups which may be substituted by halogen atoms or alkyl or alkoxy groups of 1 to 4 carbon atoms each, or optionally functionally modified carboxy or sulfo groups, and D is a bivalent aliphatic or aromatic carbocyclic bridge member which maintains a conjugation between the oxadiazole and the furan moieties, which comprises reacting a compound of the general formula (4).



with a compound of the general formula (5).



in which formulae A, B, D, R and S are as defined above and one of the substituents Z and Z' is a halogen atom and the other is a group of the formula -NH-NH₂, in an inert solvent at a temperature of 20 to 220°C and splitting off from the so-obtained intermediate product of the general formula (6).



in which A, B, D, R and S are as defined above one mol of water at a temperature of 50 to 250°C either with the aid of a water-binding agent or by heating in an inert solvent in the presence of an acidic catalyst.

CLASS 32A, I.C.-C09b 27/00

140449

PROCESS FOR PREPARATION OF MONO AZO PIGMENT.

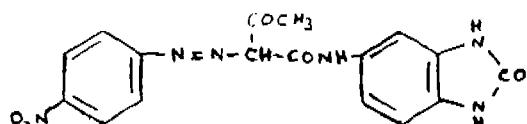
Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.*Inventors*: FRIEDRICH WILHELM WEINGARTEN, KLAUS HUNGER AND ERNST KLAPPERT.

Application No. 681/Cal/74 filed March 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the preparation of a monoazo pigment of the general formula I.



which comprises coupling a diazotized p-nitro-aniline with 5-acetoacetylaminobenzimidazolone.

CLASS 32Fb, I.C.-C07C 127/00.

140450

PREPARATION OF HETEROCYCLIC UREAS.

Applicant: ROHM AND HAAS COMPANY, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105 UNITED STATES OF AMERICA.*Inventors*: JAMES EDGAR WARE, EDWARD ESSEX KILBOURN AND DAVID LEE PEARDON.

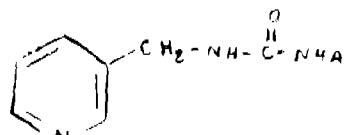
Application No. 1697/Cal/74 filed July 30, 1974.

Convention date September 4, 1973/(41440/73) U.K.

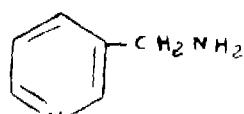
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of a compound of the general formula I.



wherein A is a group of the formula IX or III.

wherein X is -NO₂, -CN, -CF₃, -C(O)R, wherein R₁ is C₁ to C₄ alkyl, -SR₂ wherein R₂ is hydrogen or C₁ to C₄ alkyl or -SO₂Y wherein Y is C_nH_{2n} or -NR₃R₄ wherein R₃ and R₄ are the same or different and are hydrogen, methyl or ethyl, the process comprising reacting an aryl isocyanate of the formula A-NCO with 3-amino methylpyridine of the formula V.

in an inert solvent.

CLASS 34A, I.C.-D01f 1/00.

140451

PROCESS FOR THE MANUFACTURE OF FILAMENTS.

Applicant: BATTELLE MEMORIAL INSTITUTE, AT 7 ROUTE DE DRIZE, 1227 CAROUGE, GENEVE, SWITZERLAND.*Inventor*: CLAUDE GUIGNARD.

Application No. 2146/Cal/74 filed September 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for the manufacture of a plurality of filaments from a thermoplastic material such as herein described characterized by forming on the surface of a substrate such as herein described a layer of a molten dielectric material such as herein described whose viscosity is between a Melting index of 20 and 200 and subjecting the material covering said substrate to the action of an electrostatic field whose lines of force extend substantially perpendicular to the surface of said substrate, all in such a manner that under the action of this field a plurality of groups of agglutinated molecules is torn away from said material and said material is drawn, while being cooled, along these lines of force to form the said plurality of filaments.

CLASS 70C, I.C.-C01d 3/00, C01b 9/00.

140452

METHOD FOR DIAPHRAGM ELECTROLYSIS OF ALKALI METAL HALIDES.

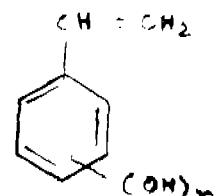
Applicant: MARUZEN OIL CO., LTD., OF NO. 3, NAGAHORIBASHISUJI 1-CHOME, MINAMI-KU, OSAKA-SHI, OSAKA, JAPAN.*Inventors*: HIROSHI FUJIWARA, KOICHI ASANO, ASAO TAKAHASHI, AKIO SUGISHITA, KINYA TAWARA, KAORU MIYOSHI AND MAKOTO MUKAI.

Application No. 64/Cal/75 filed January 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

25 Claims

A method for diaphragm electrolysis of an alkali metal halide which comprises electrolyzing an alkali metal halide solution by passing an electric current through an anode compartment and a cathode compartment of an electrolytic cell with an ion-exchange membrane of a graft copolymer of a polyolefin main chain and a side chain composed mainly of a hydroxystyrene compound having the formula I, shown in the drawings accompanying the provisional specification.



wherein n is 1 or 2 and grafted to said polyolefin main chain separating the anode compartment and the cathode compartment.

CLASS 55F & 83A, I.C.-C12C 12/00

140453

A PROCESS FOR PREPARING YOGHURT FROM MILK.

Applicant: KWALITY ICE CREAMS (CAL) PVT. LTD., OF 74, DIAMOND HARBOUR ROAD, CALCUTTA-700025, STATE OF WEST BENGAL, INDIA.*Inventor*: PRADEEP WIG.

Application No. 177/Cal/75 filed January 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings

A process for preparing Yoghurt which comprises the steps of innoculating a culture consisting of *Lactobacillus Bulgaricus* and *Strepto-Coccus Thermophilus* to a cooled homogenized standardized milk prepared by methods as herein described and carbonising the innoculated milk followed by incubation at around 42°C.

CLASS 32F,C & 40F. I.C.-C07C 127/08. 140454

TRANSFER OF AMMONIACAL SOLUTIONS BY HIGH PRESSURE CARBAMATE RECYCLE PUMP.

Applicant & Inventor: IVO MAVROVICH, OF 530 EAST 72ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1110/Cal/73 filed May 11 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A system for transferring an ammoniacal aqueous solution of ammonium carbamate from a carbamate condenser to an urea synthesis reactor, wherein the pressure of said solution is increased, comprising

a pulsation dampening vessel having an inlet conduit for charging the solution thereto, a pump suction line connected thereto and a solution circulation line connected thereto at a point above said pump suction line connection,

a pump adapted to raise the pressure of the solution to a higher pressure value, having said suction line connected thereto, and having a discharge line,

and means for charging an inert gas to an upper portion of said vessel under a pressure sufficient to maintain the solution in said vessel at approximately the height of the connection of said circulation line to said vessel.

CLASS 91 & 190C. I.C.-H02K 7/18. 140455

ELECTRIC HYDRAULIC GOVERNOR FOR A HYDRAULIC TURBINE.

Applicant: LENINGRADSKY DVAZHDY ORDENA LENINA METALLICHESKY ZAVOD IMENI XXII SEIZDA KPSS, SVERDLOVSKAYA NABEREZHNAIA, 18, LENINGRAD, USSR.

Inventors: VENIAMIN ANATOLIEVICH MARBUKH, (2) VENIAMIN SAMUILOVICH LYCHAK (3) EVGENY ANDREEVICH GONCHAROV AND LEONID ANATOLIEVICH VERKHOVSKY.

Application No. 1520/Cal/73 filed June 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An electric hydraulic governor for a hydraulic turbine combined with a power generator into a turbine generator unit said governor comprising a tachogenerator drivenly connected to the shaft of the turbine generator unit, an element for measuring the angular speed of the turbine generator unit, said element being connected to the input of a first amplifier, through a summation and demodulation means adapted for varying the frequency of the output-current of said generator, an electric motor with a control winding adapted to control said summation and demodulation means, the output of said summation and demodulation means being connected to said first amplifier whose output is connected to the regulator of the degree of opening of the stator of the hydraulic turbine, said amplifier being further fed with the output of a first demodulator and associated with a relay which is associated with the mains connection switch of said power generator said relay comprising three contacts, a first closed contact, a second closed contact and a third open contact, a modulator having its output connected to the input of an additional amplifier, an electric motor drivenly connected with the rotor of a selsyn and connected with the output of said additional amplifier, the relay also including a pair of demodulators namely said first

demodulator and an additional demodulator, the first closed contact being provided between the out-put of said first demodulator and the control winding of said first amplifier, the second closed contact being provided between the out-put of said additional amplifier and the input of the electric motor, the third open contact being provided between the output of the selsyn and the input of the said summation and demodulation means and the additional modulator being provided between the output of the selsyn and the input of the modulator; the said first de-modulator having an element for measuring the frequency of an associated mains connection switch of said power generator, the whole arrangement being such that following synchronization, upon connection of said turbine-generator unit to said mains, said first and second normally closed contacts are opened and said third normally open contact is closed.

CLASS 72A. I.C.-C06b 15/00. 140456

METHOD OF MAKING AN AQUEOUS BLASTING COMPOSITIONS CONTAINING AN IMMISCIBLE LIQUID HYDROCARBON FUEL.

Applicant: IRECO CHEMICALS, OF 726 KENNEDY BUILDING, SALT LAKE CITY UTAH 84133, UNITED STATES OF AMERICA.

Inventors: LEX LYNN UDY, HARVEY ALLRED JES-SOP AND DANIEL AARON WASSON.

Application No. 2047/Cal/73 filed September 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No Drawings

A method for forming a stable explosive blasting composition which comprises in combination the following steps :

(a) forming a liquid phase of at least one inorganic oxidizer salt in an aqueous solution at a temperature above the salt crystallization temperature.

(b) incorporating a selected amount of a biopolymer gum such as herein described produced by the microbial transformation of carbohydrate material into said liquid phase to prethicken said liquid phase to a predetermined viscosity prior to the addition of other ingredients,

(c) adding an immiscible liquid hydrocarbon fuel to said prethickened liquid phase, and

(d) mixing said liquid fuel into said prethickened liquid phase to form a stable, fine dispersion of said liquid fuel throughout said liquid phase.

CLASS 68E. I.C.-G05f 1/08. 140457

AUTOMATIC VOLTAGE CONTROLLER.

Applicant: LODGE-COTTRELL LIMITED, OF GEORGE STREET PARADE, BIRMINGHAM ENGLAND.

Inventor: BERNARD CANNING.

Application No. 2513/Cal/73 filed November 15, 1973.

Convention date November 16, 1972/(52912/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An automatic voltage controller for use in maintaining the maximum electrode potential in an electrostatic precipitator, the controller comprising a digital store means responsive to the count in the store for providing an output signal indicative of the desired electrode potential, means for establishing alternating raise and lower periods in the operation of the controller, a pulse source, means for gating a specified number of pulses from the pulse source to the store during each raise period to increase the store count and thereby the electrode potential, and means responsive to an input signal for gating a specified number of pulses from said pulse source to the store during each lower period to reduce the store count and thereby the output signal.

CLASS 56F & 84A I.B. I.C.-C10b 49/02, C10g 1/06 C10k
1/02. 140458

A PROCESS FOR CONVERTING SOLID FUELS INTO LIQUID AND GASEOUS FUELS.

Applicant: DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

Inventor: DR. DIPLO.-PHYS. PAUL GERNHARDT.

Application No. 37/Cal/74 filed January 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for converting solid fuels into liquid and gaseous fuels with a low sulphur content which process comprises partial oxidation of the solid fuels and hydrogenation thereof with the hydrogen so obtained desulphurization of the gases which are yielded in different process stages wherein the solid residue is separated from the liquid phase after expansion of the hydrogenated product, and the said residue is supplied to separate gasification for additional hydrogen generation.

CLASS 63-I. I.C.-H02N 4/00.

140459.

AN ELECTRO MAGNETIC INDUCTIVE DEVICE FOR GENERATING ELECTRICITY.

Applicant & Inventor: BIMAL KUMAR MITRA AND PANKOJ KUMAR ROY, 3, KAILASH SINGHA LANE, P.O. BALLY, HOWRAH, WEST BENGAL.

Application No. 1974/Cal/75 filed October 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An electro-magnetic inductive device for generating electricity from electro-magnetic waves in space or like source comprising in combination an aerial a pick-up coil connected to the aerial, two electro-inductive paths from the pick-up coil, one via a first and a second rectifiers and a first condenser and another via a third and a fourth rectifiers and a second condenser, and a transformer one end of its primary winding connected to receive the voltage developed across the first condenser, the other end of the said winding being earthed, the secondary winding of the transformer having tappings to apply step down voltages to a set of transistors in connected in such a way so as to give the desired output across the collector and base, a first matching coil and a third condenser, one end of the said coil connected to earthed end of the said transformer primary winding, the other end of the said coil being connected to the midpoint of a second matching coil, a bipass capacitor connected across the said two points, one end of the second matching coil being connected to the aerial and the other end to the earthed end of the said transformer primary winding, a current coil connected to the collector of a power transistor, its base being earthed and its emitter being connected to the rectifier in the second electro-inductive path.

CLASS 32F.b & 60X,d. I.C.-C07d 51/48.

140460

PREPARATION OF QUINAZOLINES.

Applicant: PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

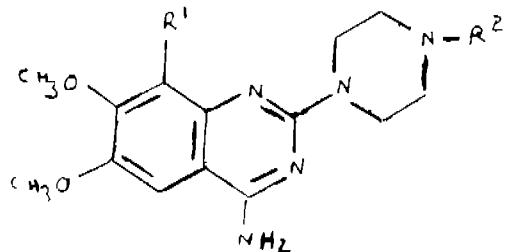
Inventor: HANS-JURGEN ERNEST HESS.

Application No. 2559/Cal/74 filed November 19, 1974.

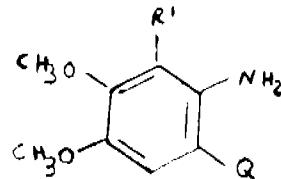
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

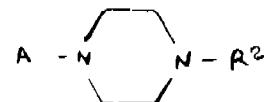
A process for the production of a piperazinyl-quinazoline of formula I.



which comprises reacting a compound of formula II.



or a salt thereof, with a compound of formula III.



or a salt thereof, in a reaction-inert, organic solvent : wherein R¹ is hydrogen or methoxy and R² is alkenyl having from three to five carbon atoms, benzoyl, furoyl, thiocarbonyl, alkoxycarbonyl having from two to five carbon atoms, alkyleneoxycarbonyl having from four to five carbon atoms or (2-hydroxyalkoxy)- carbonyl having from four to five carbon atoms;

Q is cyano or -C(=NH)-NH₂; and

A is cyano or -C(=NH)-X-R³, wherein X is O or S, and R³ is alkyl having from one to six carbon atoms; provided that when Q is cyano, A is -C(=NH)-X-R³.

CLASS 180. I.C.-F24b 13/00.

140461

COAL, CHARCOAL OR THE LIKE BURNING DOMESTIC OVEN.

Applicant & Inventor: MANINDRA CHANDRA MUKHARJI, OF 9/15 MOORE AVENUE CALCUTTA-40, WEST BENGAL, INDIA.

Application No. 2683/Cal/74 filed December 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An oven for burning coal charcoal and the like for domestic and semi-industrial purposes comprising a first vertical, cylindrical or polygonal shaped main body having a plurality of legs to support it, a grate fitted at the bottom of the said body and a coaxially placed second smaller body shaped in the same manner as the first main body disposed below the grate and formed with an opening formed below the grate and closed at the bottom.

CLASS 179G. I.C.-B67b 7/10.

140462

CONTAINERS AND SAFETY CLOSURE THEREFOR.

Applicant & Inventor: EDWARD JOHNSON TOWNS AND ANTHONY THOMAS BRINDISI, AT NORMANDY HEIGHTS ROAD, CONVENT STATION, NEW JERSEY, UNITED STATES OF AMERICA, AND 4 CHARLES DRIVE, FAIRFIELD, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 1390/Cal/73 filed June 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims

A safety closure of plastic material comprising a closure member having an integral pull tab swingable about a hinged connection at one end between a closed position, in which the tab lies in a recess in a top surface of the closure members, and an open or grasping position, wherein all edges of the tab are arranged for close fitting abutment to the edges of the recess when the tab is in its closed position, and wherein at least a portion of the recess is deeper than the thickness of the tab and is adjacent to fulcrum means for supporting the tab intermediate the ends of the tab, so that an inwardly directed applied force at a point on the tab overlying said deeper portion causes the tab in its closed position to deflect inwardly at that point and thus to pivot about the fulcrum means, whereby to raise an edge of the tab on the other side of the fulcrum means above said top surface to permit swinging the tab to said open position.

CLASS 48A₁+C+D₁,+D₂+D₄ & 98E + F.& 140463
136B+C+E. I.C.-H01b 3/00, 3/18,
3/28, 3/30.

A HEAT-RECOVERABLE HOLLOW ARTICLE AND PROCESS FOR ITS MANUFACTURE.

Applicant : RAYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA.

Inventor : DAVID DOLPH NYBERG.

Application No. 2015/Cal/73 filed September 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A heat-recoverable hollow article having at least one open end, comprising a first hollow component and a second hollow component coaxial therewith, and mechanically connected thereto the first component being elastomeric and deformed from its natural dimensions, the second component retaining the elastomeric component in the deformed state, the second component comprising a material that, on heating, is sufficiently weakened, without becoming flowable, to allow the recovery of the elastomeric component.

CLASS 29A & 206E. I.C.-G06f 1/00. 140464

ELECTRONIC PROCESSOR SYSTEM OF THE TYPE IMPLEMENTED IN LARGE-SCALE-INTEGRATED SEMICONDUCTOR MEANS.

Applicant : TEXAS INSTRUMENTS INCORPORATED, OF 13500 NORTH CENTRAL EXPRESSWAY, DALLAS, TEXAS, UNITED STATES OF AMERICA.

Inventors : JOHN DUFFY BRYANT, ROGER JOHN FISHER, GERALD DEAN ROGERS, CHARLES, WALTON BRIXEY, GLENN AUSTIN HARTSELL AND JERRY LEE VENDIERENDONCK.

Application No. 2759/Cal/73 filed December 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

In an electronic processor system of the type implemented in large-scale-integrated semiconductor means: a read-only-memory for storing a large number of instruction words for defining the operation of the system, comprising a large number of read-only-memory cells arranged on the face of a semiconductor chip in an array of rows and columns, X lines in the form of conductive strips defining rows and Y lines in the form of elongated regions defining columns in said face of the semiconductor chip and having an X-select decoder for receiving an X-address and energizing one of the X lines, the read-only-memory characterized by the Y lines being arranged in groups with each group having an output line and only one ground line along with a plurality of intermediate lines

and a Y-select decoder for receiving a Y-address and connecting one of said intermediate Y lines to the ground line in each group and connecting an adjacent Y line to said output line in each group.

CLASS 56B & 84A. I.C.-C10L 3/00.

140465

PROCESS FOR GASIFICATION— OF HYDROCARBONS.

Applicant : METALIGESELLSCHAFT AKTIENGESELLSCHAFT, OF 16 FRANKFURT A.M. REUTERWEG 14, WEST GERMANY.

Inventor : GUNTER POCKRANDT.

Application No. 767/Cal/74 filed April 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for gasification of hydrocarbons with oxygen and water vapor in a reactor under a pressure of about 3—100 kilograms per square centimeter and at temperature between about 1000°C and 1500°C to produce a product gas which contains mainly hydrogen and carbon monoxide, wherein the hydrocarbons are fed under pressure to a burner of the reactor and are sprayed from the lance of said burner in atomized form into the reactor where said atomized hydrocarbons react with a mixture of oxygen and water vapor supplied to the reactor, characterized in that during interruption of the normal operation of the gasification the reactor is held at temperature above 800°C by shutting off the supply of said mixture of oxygen and water vapor and feeding to said burner lance used in normal operation a mixture of hydrocarbons and water vapor, said water vapor being fed under a pressure of about 10—60 kilograms per square centimeter, feeding said hydrocarbons used during said interrupted operation at a rate which is less than 10% of the rate used for normal operation, spraying an atomized mixture of hydrocarbons and water vapor into said reactor and burning at least part of said hydrocarbons together with compressed air fed into the reactor.

CLASS 32F₁. I.C.-C07C 17/02.

140466

METHOD FOR PRODUCING ETHYLENE DICHLORIDE.

Applicant : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

Inventors : RAMSEY GORDON CAMPBELL.

Application No. 1250/Cal/74 filed June 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for producing ethylene dichloride comprising introducing ethylene and chlorine into a reaction zone of increased pressure containing a chlorinated hydrocarbons containing two carbon atoms, and mixtures thereof, and maintained at a temperature below the vaporization point of the medium at the pressure in the reaction zone, whereby crude liquid ethylene dichloride is formed in the presence of catalyst passing the crude liquid ethylene dichloride with the circulating medium to a zone of reduced pressure maintained at a pressure and temperature whereby impure ethylene dichloride is vaporized by means of the heat of reaction of the chlorine and the ethylene, passing the vaporized impure ethylene dichloride to a rectification zone and rectifying the vaporized ethylene dichloride by means of the heat of reaction of the chlorine and ethylene recovering purified ethylene dichloride from the rectification zone; while simultaneously returning the circulating liquid medium from the zone of reduced pressure to the reaction zone.

CLASS 32F₁ & 60X-d. I.C.-C07d 55/06.

140467

MANUFACTURING PROCESS OF THE NEW DERIVATIVES OF TRIAZOLINONE.

Applicant : SIGMA-TAU S.P.A., IND. FARMACEUTICHE RIUNITE, OF 47 VIALE SHAKESPEARE 00144, ROME, ITALY.

Inventor : GIUSEPPE PALAZZO.

Application No. 1896/Cal/74 filed August 22, 1974.

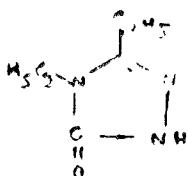
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for preparing 1-[3-(4-m. chlorophenyl-1-piperazine-1-yl)-propyl]-3-4-diethyl- Δ^2 -1, 2, 4-triazolin-5-one of formula (I).



and its pharmacologically acceptable salts, which comprises reacting 3, 4-diethyl- Δ^2 -1, 2, 4-triazolin-5-one of formula (II).



with 1-bromine-3-chloropropane; and the isolated product is further reacted with N-m. chlorophenyl-piperazine in an inert solvent, and subsequently the obtained product is converted in known manner into its pharmacologically acceptable salts.

CLASS 35C & 40F. I.C.-C04b 3/00. 140468

APPARATUS FOR BURNING RAW CEMENT MATERIALS AND PULVEROUS LIME.

Applicant : PREROVSKE STROJIRNY, NARODNI PODNIK OF PREROV, CZECHOSLOVAKIA.

Inventors : JIRI FILOUS, JOSEF PLSEK AND PETR NEMECEK.

Application No. 2309/Cal/74 filed October 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

Apparatus for burning cement raw materials and pulverous lime comprising a dispersion preheating system, calcination system, sintering kiln and a cooler, the calcination system being separated from the sintering kiln and having a separated introduction of fuel and gases and the combustion products being withdrawn from the kiln through the calcination system, characterized in that the duct for leading the preheated materials from the dispersion preheater is terminated in the duct for withdrawing gases from the sintering kiln in the direction of the flow of gases before the termination of the duct for air.

CLASS 32F₂b+F₂c. I.C.-C07d 41/06, C07d 29/22. 140469

METHOD FOR THE PRODUCTION OF OMEGA LACTAMS AND THEIR PRECURSORS.

Applicant : SNIA VIScosa SOCIETA' NAZIONALE INDUSTRIA APPLICAZIONI VIScosa S.P.A., OF VIA MONTEBELLE, 18, MILAN, ITALY.

Inventors : LUIGI GIUFFRE, GIANCARLO SIOLI AND ROBERTO MATTONE.

Application No. 178/Cal/73 filed January 25, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings

A method for the production of omega lactams and precursors thereof comprising forming an adduct between cyclo-methylene ketene and SO_2 , subjecting said adduct to nitrosation by a method such as herein described to obtain a nitrosated adduct which is subsequent converted by a method such as herein described to the omega lactam with the simultaneous formation of side products including precursors such as herein described.

CLASS 107H. I.C.-F02d 5/00. 140470

CONTROL SYSTEMS FOR THE FUEL SUPPLY SYSTEMS OF INTERNAL COMBUSTION ENGINES.

Applicant : C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

Inventors : MALCOLM WILLIAMS, GEOFFREY ALBERT KENYON BRUNT, CHRISTOPHER ROBIN JONES AND ANTHONY JOHN ADEY.

Application No. 772/Cal/73 filed April 4, 1973.

Convention date April 4, 1972/(15339/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A control system for a fuel supply system of an internal combustion engine the supply system including a fuel pump for supplying fuel to the engine and a actuator for controlling the output of the fuel pump the control system including an electronic governor for controlling the actuator, said governor receiving an electrical signal representing engine speed and at least one further signal representing a desired or actual engine operating parameter, the speed signal being obtained from a transducer producing an A.C. output at a frequency proportional to engine speed, an electronic pump circuit for converting said A.C. signal to a D.C. signal, said electronic pump circuit including an operational amplifier having an inverting input terminal and an non-inverting input terminal, said amplifier being powered by first and second supply lines and having its non-inverting input terminal connected to a third supply line having a potential intermediate said first and second supply lines, the electronic circuit including a capacitor across which is developed a voltage proportional to the frequency of the A.C. signal, said capacitor being connected between the inverting input terminal and the output terminal of the operational amplifier, a resistor connected in parallel with the capacitor, a second capacitor and a diode in series between an input terminal of the electronic pump circuit and the inverting input terminal of the operational amplifier, and a second diode coupling the junction of the second capacitor and first diode to the third supply line.

CLASS 107H. I.C.-F02d 5/00. 140471

CONTROL SYSTEMS FOR THE FUEL SUPPLY SYSTEMS OF INTERNAL COMBUSTION ENGINES.

Applicant : C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

Inventors : MALCOLM WILLIAMS, GEOFFREY ALBERT HRUNT AND CHRISTOPHER ROBIN JONES.

Application No. 777/Cal/73 filed April 4, 1973.

Convention date April 4, 1972/(15350/72) U.K.

Convention date April 4, 1972/(15352/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A control system for the fuel supply system of an internal combustion engine, the fuel supply system including a fuel pump for supplying fuel to the engine and a control member for setting the output of the pump, comprising an actuator controlling the control member, a control circuit for controlling the actuator a transducer for providing a signal to said control circuit representative of the speed of the associated engine and means for providing a demand signal to the control circuit, the control circuit determining the output of the fuel pump, and means monitoring the signal provided by said transducer and operable in the event that said signal is zero to prevent the supply of fuel by the fuel pump.

CLASS 187E₁. I.C.-H04R 11/04.

140472

A CURRENT CONTROLLED INDUCTIVE TRANSDUCER AND ASSOCIATED ELECTRONIC CIRCUIT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.*Inventor*: PATTAMADI EASWARAIYER SANKARA-NARAYANAN.

Application No. 1759/Cal/73 filed July 30, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A current controlled inductive transducer and associated electronic circuit, which can be used for the measurement of displacement or pressure or force in the broad field of engineering, and which comprises an inductive sensor with its plunger core, that acts as the tank circuit of a current controlled oscillator wherein the plunger core senses the displacement and hence the force also, and operates into the inductive sensor, thereby changing the a.c. output of the oscillator, which is amplified by an amplifier, and rectified to give a d.c. voltage, which is then compared with a fixed d.c. voltage in a comparator and the error as detected by this comparator is amplified in an error amplifier and its electrical output feedback to the current controlled oscillator to bring back the a.c. voltage output of the oscillator to its original value with a panel meter reading the feedback error voltage in terms of displacement or pressure or force as sensed by the sensor.

CLASS 24D₂+D₃ & 206E. I.C.-B60T 15/00. 140473

FLOW-DEPENDENT MONITORING DEVICE FOR THE MAIN AIR CONDUIT OF AIR-BRAKE SYSTEMS OF RAIL VEHICLES.

Applicant: KNORR-BREMSE GMBH, OF 8, MUNCHEN 40, MOOSACHER STRASSE 80, FEDERAL REPUBLIC OF GERMANY.*Inventor*: ERICH FALKE.

Application No. 2696/Cal/74 filed December 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

Flow dependent monitoring device for use in monitoring the flow of pressure medium in a main line of a pressure medium controlled brake system; said system having a brake valve for controlling and maintaining the pressure in said line, a source of pressure medium, and a throttle provided in the main line or a feed line thereto; and said monitoring device comprising;

(1) a pressure monitor intended to monitor the differences in pressures prevailing upstream and downstream of said throttle and arranged to respond to a pressure differential in excess of a predetermined minimum,

(2) a control line extending from a supply of current to a shut-off device controlled by the pressure monitor in response to change in relative pressures upstream and downstream of the throttle,

(3) a first monitoring device arranged to indicate a brake-release condition when the brake valve is moved to a release position thereby creating brake-release generated flow of pressure medium in the main line with consequent generation of pressure differential across the throttle,

(4) a second monitoring device arranged to indicate a hazard situation when a hazard-generated flow of pressure hazard situation when a hazard-generated flow of pressure differential across the throttle,

(5) a double-throw switch connected to the control line and arranged, in first position, to connect the first monitoring device to said control line and, in a second position, to connect the second monitoring device to the control line;

in which (a) the shut-off device is arranged to permit flow of current in the control line only when pressure differential across the throttle in excess of a predetermined minimum is detected by the pressure monitor;

(b) the double-throw switch is movable to said first position in response to movement of the brake valve to the brake-release setting thereby to operate said first monitoring device when the shut-off device permits flow of current in the control line; and

(c) the double-throw switch is movable to said second position in response to hazard-generated pressure medium flow in the main line (when the brake valve is in the brake release setting), thereby to operate the second monitoring device when the shut-off device permits flow of current in the control line.

CLASS 23H. I.C.-A01M 1/10. 140474

COCKROACH TRAP.

Applicant: DAINIPPON JOCHUKIGU KABUSHIKI KAISHA, OF 11, 2-CHOME TOSABORIDORI, NISHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.*Inventor*: YOSHIO KATSUDA.

Application No. 2751/Cal/74 filed December 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A cockroach trap having a base, a layer of adhesive on said base, and side walls surrounding said base, said side walls defining at least one opening having downwardly converging sides with at least the lower portions of said sides lying at an angle of 30 to 60 degrees with respect to each other.

CLASS 66B. I.C.-C06d 1/00. 140475

FLASHLIGHTS OR ELECTRIC TORCHES.

Applicant: UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700016, WEST BENGAL, INDIA.*Inventors*: AMAR NATH TANDON AND MANU JHA.

Application No. 2034/Cal/75 filed October 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An electric torch or flashlight comprising a flashlight body or casing for cells, a lead from bottom of cells terminating at neck of casing in a first contact point, for one terminal of the electric bulb, a second contact point adjacent to but electrically isolated from the first contact point led from other terminal of the electric bulb, the two contact points constituting the two (+ve and —ve) terminals, a collar rotatably mounted around said neck between the casing and the reflector housing, an elongate contact member in a cavity in the inner wall of said collar to establish electric contact between said two contact points when the collar is rotated to a certain pre-selected position and breaking such contact when the collar is rotated away from said pre-selected position.

CLASS 68A. I.C.-H02J 7/00. 140476

BATTERY CHARGING SYSTEMS.

Applicant: THE LUCAS ELECTRICAL COMPANY LIMITED OF WELL STREET, BIRMINGHAM, ENGLAND.*Inventor*: WILLIAM FRANK HILL.

Application No. 1959/Cal/73 filed August 25, 1973.

Convention date September 5, 1972/(41065/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A battery charging system comprising in combination a wound field alternator providing power by way of a full wave rectifier to positive and negative supply lines between which the battery is connected, one or more additional diodes coupling the alternator output to a third supply line which when the alternator produces an output is at substantially the same potential at the positive line, a warning lamp and ignition switch connected in series between the third and positive lines, a pair of switching devices coupling opposite ends of the field winding of the alternator to the third and negative lines, said switching devices forming part of a voltage regulator for connecting and disconnecting the field winding from the third and positive supply lines in accordance with the output voltage of the alternator to regulate the output voltage of the alternator, a first diode having its cathode connected to the junction of the field winding and the first switching device and its anode connected to the negative line, and second and third diodes having their anodes connected to the junction of the field winding and the second switching device, the cathode of the second diode being connected to the third line and the cathode of the third diode being connected to the positive line.

CLASS 84B. I.C.-C10L 1/04.

140477

PREPARATION OF LIQUID FUEL.

Applicant & Inventor: JOSEPH JOHN SCHONS, OF 778 DRAKE LANE, RIVERVALE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 2041/Cal/73 filed September 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method for preparing a liquid fuel suitable for transport by conventional (non-cryogenic) tanker which comprises the following steps :

- (1) reforming natural gas with steam and producing by method known per se a gaseous mixture which is suitable for use in the synthesis of methanol;
- (2) producing by method known per se anhydrous methanol from said mixture; and
- (3) dissolving in said anhydrous methanol natural gasoline in amount up to the limit of solubility of the natural gasoline in the methanol at ambient temperatures.

CLASS 92C. I.C.-B02b 3/00.

140478

A PROCESS FOR THE SELECTIVE HULLING OF GRAINS AND AN APPARATUS FOR CARRYING OUT THE PROCESS.

Applicant: CENTRE STEPHANOIS DE RECHERCHES MECANIQUES HYDROME-CANIQUE & FROTTEMENT, OF RUE B, FOURNEYRON—SOUTH INDUSTRIAL ZONE, ANDREZIEUX-BOUTHEON 42160, FRANCE.

Inventor: GABRIEL RUGET.

Application No. 2599/Cal/73 filed November 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the selective hulling of seeds formed of a porous envelope containing a kernel to eliminate seeds whose envelopes are damaged or pierced by insects, using gaseous pressurization of the seeds in a fluid-tight chamber, followed by sudden depressurization with ejection of the seeds from the chamber, the process comprising the following successive steps :

- (a) subjecting the seeds to a first cycle of compression followed by decompression-ejection, compression being carried out to a first pressure P1;
- (b) sorting the ejected products to separate the hulled products from the non-hulled products;

(c) subjecting the products not hulled by step (a) to a second cycle of compression followed by decompression-ejection, compression being carried out to a second pressure P2 greater than P1;

(d) sorting the products ejected to separate the hulled products from the non-hulled products, and collecting the products hulled by step (c) as the final product.

CLASS 50F. I.C.-F25d 21/00.

140479

FROST SENSOR FOR REFRIGERATION APPARATUS AND REFRIGERATION APPARATUS HAVING THE SAME.

Applicant: CUTLER-HAMMER WORLD TRADE, INC., AT 4201 NORTH 27TH STREET, MILWAUKEE, WISCONSIN, UNITED STATES OF AMERICA.

Inventors: JAMES EDWARD HANSEN AND JOEL PETER LA POINTE.

Application No. 1545/Cal/73 filed July 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A frost sensor for refrigeration apparatus having a cooling element through which refrigerant is circulated, and which is susceptible to frost build-up thereon, and a defrost device adapted when energized to remove frost from said cooling element, comprising :

a housing having irregular inner wall surfaces of low reflective ability on which frost can accumulate and being adapted to be mounted adjacent said cooling element in frost forming relationship therewith;

a light source operatively mounted to said housing to illuminate said inner wall surfaces of said housing;

a photosensitive device operatively mounted to said housing to sense the level of illuminance therein when frost builds up on said inner wall surfaces and responsive to initiate removal of frost from said cooling element when illuminance reaches a preselected level within said housing, and

said photosensitive device being directed away from said light source to prevent direct impingement of light thereon.

CLASS 145E. I.C.-D-21d 5/00.

140480

PULP REFINER ELEMENT.

Applicant: BELOIT CORPORATION, OF 1 ST. LAWRENCE AVENUE, BELOIT, WISCONSIN 53511 UNITED STATES OF AMERICA.

Inventor: JOHN BERARD MATTHEW.

Application No. 415/Cal/74 filed February 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A fibre refining element, for use in a paper pulp refiner, characterised in that at least the fibre contacting surfaces of the element comprise an abrasion resistant, hydrolytically stable material as herein described having a modulus of elasticity between about 0.1×10^6 psi to about 2.0×10^6 psi, and having a creep limit temperature above the normal operating temperature within the refiner.

CLASS 70C. I.C.-B01K 1/00.

140481

A METHOD OF RECOVERING ZINC FROM VISCOSE RAYON PLANT EFFLUENT.

Applicant: ECOLOGICAL ENGINEERING LIMITED, OF 56 PORTLAND PLACE, LONDON, W.1., ENGLAND.

Inventor: FRANK STANLEY HOLLAND.

Application No. 1894/Cal/74 filed August 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings

A method of recovering zinc from viscose rayon plant effluent obtained by spinning viscose into sulphuric acid containing zinc salts which comprises electrolysing the effluent, rotating the cathode during the electrolysis, and recovering zinc in powder form at the cathode.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street Calcutta, at two rupees per copy :—

(1)

133788 134072 134518 135302 136923 136924 136925 136927
136928 136929 136930 136931 136932 136933 136934 136935
136936 136937 136940 136941 136942 136945 136946 136948
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137198 137203 137204 137206.

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114645 114728 114898 114995 115034 115058 115416 115422
116095 116131 116146 116180 116196 116335 116390 116400
116469 116479 116740 118440 118770 122982 124029 124086

PATENTS SEALED

110785 127661 135134 137765 137839 137998 138132 138134
138135 138232 138288 138304 138314 138316 138317 138324
138333 138346 138365 138376 138378 138384 138398 138403
138442 138445 138446 138450 138451 138455 138456 138462
138465 138470 138471 138472 138483 138484 138489 138495
138499 138502 138503 138504 138511 138516 138518 138521
138538 138545 138558 138563 138569 138580 138582 138586
138589 138590 138596 138604 138607 138613.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by American Cyanamid Company, in respect of patent application No. 76784 and advertised in the Part III, Section 2 of the Gazette of India dated the 12th June 1976, has been allowed.

(2)

The amendments proposed by Phillips Petroleum Company, in respect of patent application No. 137907 and advertised in the Part III, Section 2 of the Gazette of India dated 26th June 1976 has been allowed.

(3)

The amendment proposed by Institute De Recherches De La Siderurgie Francaise, in respect of patent application No. 134258 as advertised in Part III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

81406

89130

M/s. Amchem Products, Inc.

81406

89130

125473

M/s. H. B. Fuller Company.

131679.—M/s. Bata India Limited.

PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"

The following patent is deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The date shown in the crescent brackets is the date of the patent.

No. and Title of the invention

124033 (14-11-69) Dry and wet milling of sugarcane.

RENEWAL FEES PAID

78965 79111 79415 79439 79444 79485 79645 84521 84540
84595 84826 84893 84921 84936 85058 85211 85247 85295
85351 85378 85704 85791 90234 90361 90587 90715 90716
90754 90755 90775 90779 90882 90883 91016 91335 91418
91423 95539 95936 96031 96059 96249 96250 96258 96356
96365 96424 96458 96462 96510 96512 96515 96589 96613
96621 96721 96751 97080 97175 98135 98444 100159 101815
101845 102007 102060 102061 102062 102063 102064 102065
102066 102067 102068 102069 102070 102071 102347 102349
102409 102458 102459 102460 102461 102462 102523 102537
102546 102557 102601 102609 102629 102681 102739 105619
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113241 113245 113353 113363 113626 113680 114225 115567
117268 117273 117417 117882 117909 117910 117911 117912
117957 118015 118036 118057 118092 118313 118328 118425
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136483 136563 136725 136753 136780 136820 136898 137160
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139381 139425 139447 139511 139550.

CESSATION OF PATENTS

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 125702 125780 125797 125810 125815 125822 125824 125836
 125863 125890 125911 125915 125918 125944 125972 126015
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 126341 126380 126384 126423 126455 126473 126474 126487
 126497 126510 126583 126606 126607 126612 126625 126652
 126691 126692 126731 126745 126770 126842 126878 126886
 129145 133007 136012.

RESTORATION PROCEEDINGS

Notice is hereby given that the application for restoration of patent No. 132636 dated the 24th August 1971 made by

Neela Arjun Bhagat on the 26th May 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 17th July 1976 has been allowed and the said dated restored.

**RECTIFICATION OF THE REGISTER OF DESIGNS
(Section 64)**

Application for rectification of the Register of Designs in respect of Registered Design No. 133129 filed by Crompton Greaves Limited and notified in the Gazette of India, Part III, Section 2 date the 14th August 1976 has been treated as withdrawn.

S. VEDARAMAN

Controller-General of Patents, Designs
and Trade Marks.